



**City of Independence  
Electric Generation and Emissions in 2011**

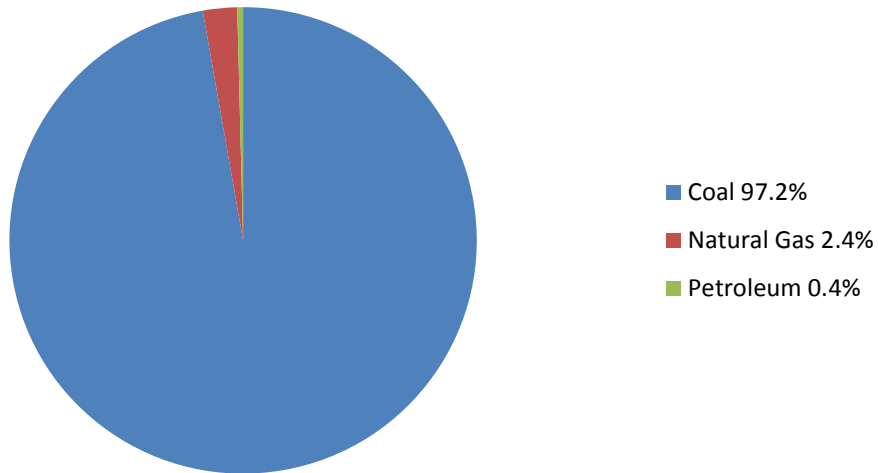
Generation Tables

	<b>Fuel Consumption, MMBTUs</b>	<b>Percent of Total</b>		<b>Net Electric Power Generated, MWh</b>	<b>Percent of Total</b>	
<b>Non-renewable sources</b>						
Coal	2,957,696	96.7%	96.7%	183,310	97.2%	97.2%
Natural Gas	85,629	2.8%	2.8%	4,459	2.4%	2.4%
Petroleum	16,154	0.5%	0.5%	752	0.4%	0.4%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>3,059,479</b>	<b>100.0%</b>	<b>100.0%</b>	<b>188,521</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>3,059,479</b>		<b>100.0%</b>	<b>188,521</b>		<b>100.0%</b>

<b>Fuel Type</b>	<b>Physical Units</b>	<b>Number of Units</b>
Anthracite Coal and Bituminous Coal	Short Tons	131,713
Natural Gas	MCf	85,318
Distillate Fuel Oil	Barrels	2,795



### Net Generation by Fuel Type, 2011 for City of Independence





Missouri  
Department of  
Natural Resources

Power Plant Nameplate information for City of Independence

Plant Name	County Location	Nameplate Capacity (MW)
<i>City of Independence</i>		<i>1,356.0</i>
Blue Valley	Jackson	704.0
Jackson Square	Jackson	144.0
Station H	Jackson	172.0
Station I	Jackson	152.0
Missouri City	Clay	184.0



Missouri  
Department of  
Natural Resources

Emissions from Electricity Generated in 2011: City of Independence

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
<i>City of Independence</i>	10,761,598	1,243,283	144,044	20,946
Blue Valley	7,650,161	883,210	102,452	14,889
Jackson Square	2,860	650	27	5
Missouri City	3,092,020	353,359	41,410	6,029
Station H	10,506	4,689	100	12
Station I	6,050	1,375	56	11

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
<i>City of Independence</i>	15,391	0.0015	0.0015
Blue Valley	10,896	0.0015	0.0015
Jackson Square	0	0.0000	0.0000
Missouri City	4,495	0.0000	0.0000
Station H	0	0.0000	0.0000
Station I	0	0.0000	0.0000



Missouri  
Department of  
Natural Resources

Identified Flue Gas Desulfurization (FGD) controls installed on plants operated by City of Independence

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on plants operated by City of Independence

Plant	Control Equipment
Blue Valley	Electrostatic precipitator, cold side, without flue gas conditioning
Missouri City	Baghouse, reverse air

**Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>